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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

25X1A

INFORMATION REPORT

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COUNTRY USSR (Ukraine)

DATE DISTR. 15 September 1979

SUBJECT Aircraft Catapult Equipment Plant at Nogaïsk,
Zaporozhe Oblast

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SUPPLEMENT TO
REPORT NO.

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Aircraft Catapult Equipment Plant
at Nogaïsk

1. Location: About two miles east of Nogaïsk (46°44'N, 36°22'E)* and west of Ozipenko, 330 feet south of the Melitopol-Nogaïsk-Mariupol road; about 40 miles west of Mariupol. At the point where a road to the plant branches off from the highway, two signs with the inscriptions "To Nogaïsk 2 miles" (to the west) and "To Mariupol 40 miles" (to the east) were seen.
2. Plant installations: See Annex 1 and legend.
3. History: The plant was formerly a shipyard where fishing smacks and other small craft had been built up to 1942. The shipyard was destroyed during the war and had been rebuilt by Poles as a catapult equipment plant since 1945.
4. Management and work force: It was known only that a Soviet engineer was the plant manager. Sixty Poles and 400 Soviets worked in each of the two shifts.
5. Production: Catapulting apparatus (for details, see Annexes 2 and 3). The catapults were assembled in the assembly hall shown as item C on Annex 1. The catapults consisted of various profiles and had a weight of 350 kg. There was a test and control station, where the compressed air cylinders were mounted and put under pressure, in the northern section of the assembly hall. A cylinder gauge indicated 120 atmospheres. The finished cylinder carriages and catapults were taken to the shipping point. Two or three trucks arrived every week to pick up the finished catapults.
6. Power supply: From a power house outside the plant; the boiler generators of the house were utilized only in emergency cases.

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7. Security measures: Eight armed guards were on duty in each of two shifts.

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Comment: This is the first information on the reconstruction of the former shipyard and the manufacture of catapulting devices for aircraft. From the description of the catapulting devices and the launching site (see Annex 1) it is inferred that apparatus manufactured is for the launching of small aircraft or remote-controlled missiles (perhaps the V-1).

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Comment: On some maps the town shown at this location is called Nogisktoch.

Annexes:

1. Catapult Equipment Plant near Nogaisk
2. Catapult Device Manufactured at Nogaisk
3. Compressed Air Cylinder as Used for the Catapult Device Manufactured at Nogaisk

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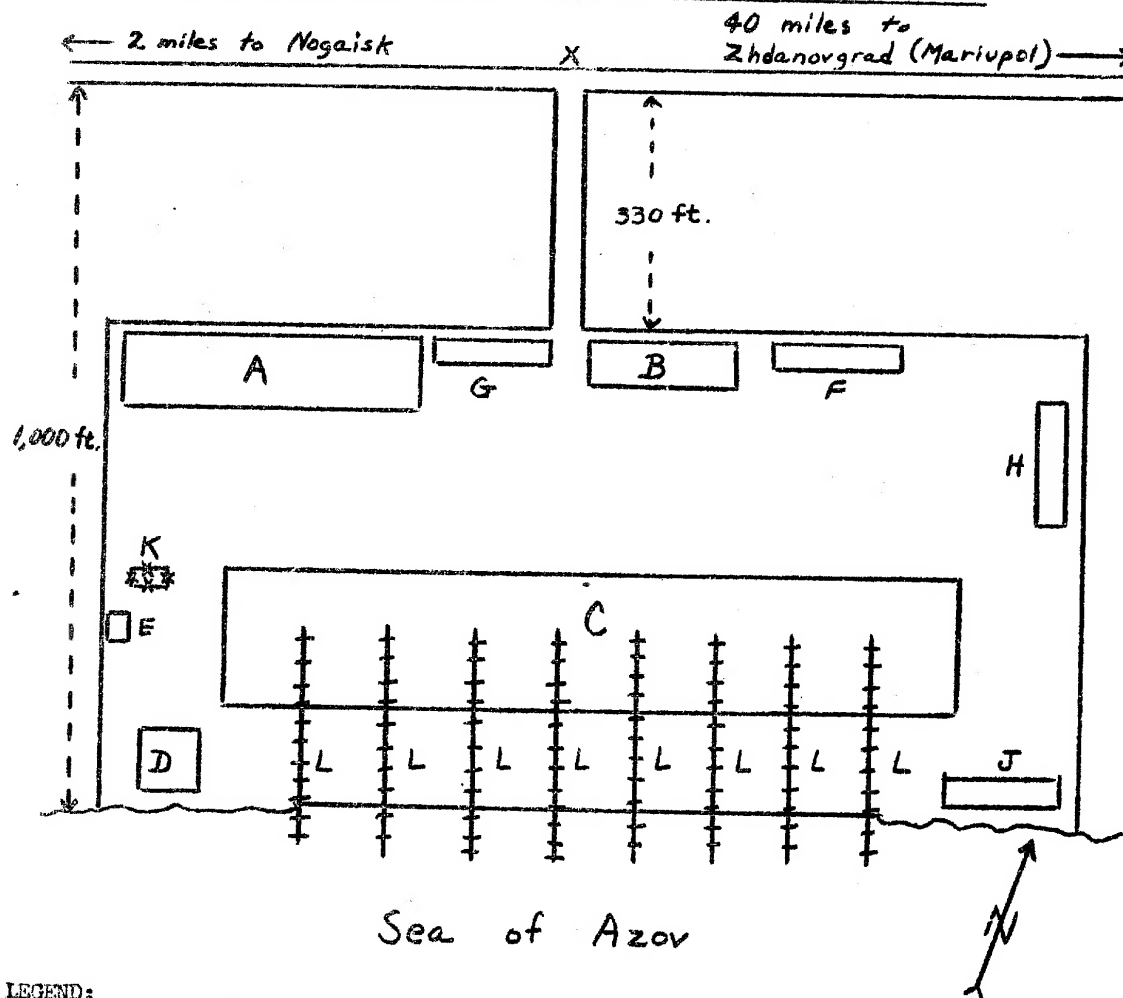
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Annex I

CATAPULT EQUIPMENT PLANT NEAR NOGAISK, ZAPOROZHIE OBLAST, UKRAINIAN SSR

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LEGEND:

- A - Lathe department, about 500 x 100 x 20 ft
- B - Locksmiths shop, about 270 x 65 x 20 ft
- C - Assembly hall, steel skeleton structure, about 1,000 x 65 x 26 ft
- D - Launching site, about 65 x 65 ft
- E - Boilerhouse, about 35 x 35 x 20 ft
- F - Magazine, about 165 x 33 x 13 ft
- G - Administration building, about 165 x 33 x 20 ft
- H - Shipping point, about 165 x 33 x 20 ft
- J - Shed, about 165 x 33 x 20 ft
- K - PW camp (120 PWs)
- L - Slip, not in operation

DETAILS:

- A - Lathe department: Manufacture and machining of wheels and wheel accessories for the catapult devices. Equipment: About 150 lathes, milling-machines, turret lathes, slotting and boring machines.
- B - Locksmiths shop: Manufacture of individual profiles and pipes and of individual parts from the compressed air cylinders; steel castings with walls 30mm thick, 400mm in diameter, 2.5m long. The piston rod had a diameter of 100mm and a length of 3 m. Equipment: two lathes; one electrically operated saw; three milling machines; one small boring machine; two large boring machines; three carts with two bottles each for autogenous welding.
- D - Launching site: A concrete apron about 6.6 ft above sea level. It was still in 1949. A pair of rails with gauge of about 1,500mm and 33 ft long was laid on the apron. A center rail served as guide rail for the corresponding rail of the catapult device. At the end of the rails there was a bumping post. Between the two buffers there was a small pit, 13.5 x 3 ft, with two installed

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Annex 1 cont'd

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LEGEND TO ANNEX 1, CONTINUED

- compressed air cylinders and a small compressed air plant (see Annex 3).
- E - Boilerhouse: The generators set up here were put into operation in case of emergency. Also two compressors were available.
- F - Magazine for the storage of parts used for the assembly of the catapulting devices; also a tool room was available.
- H - Shipping point: The finished catapults and compressed air cylinders were stored here prior to shipping.
- I - Slip with eight pairs of rails, not in operation.

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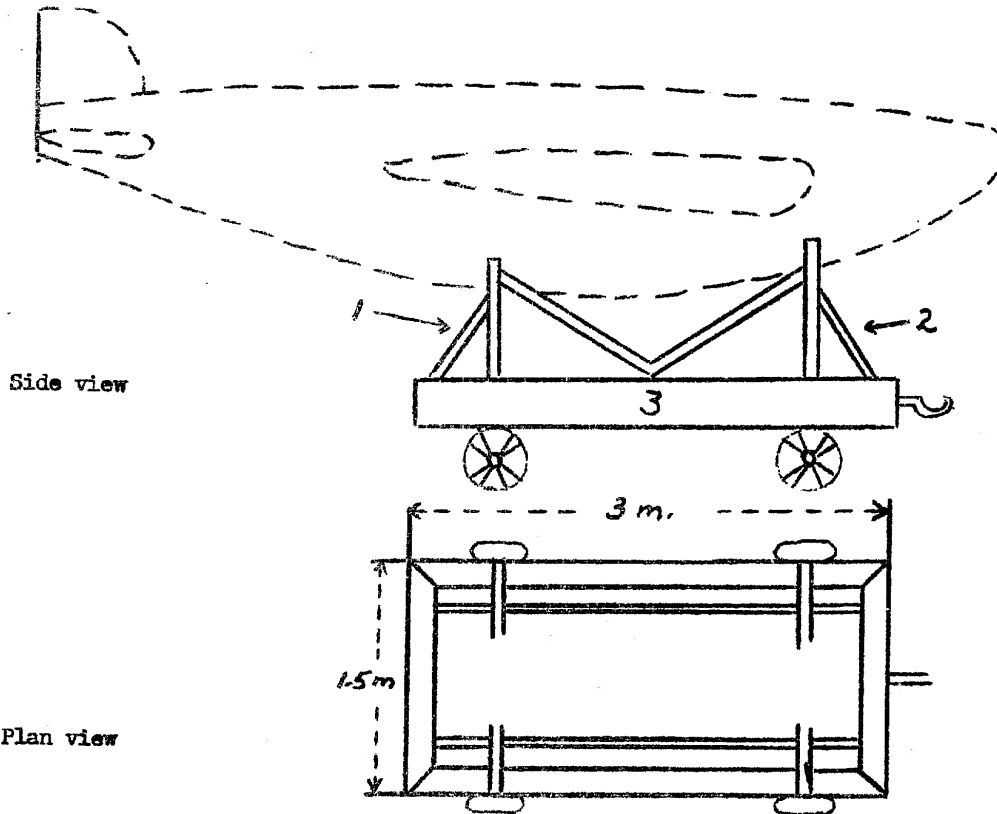
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Annex 2

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CATAPULT DEVICE MANUFACTURED AT NOGAISK, ZAPOROZHIE OBLAST, UKRAINIAN SSR



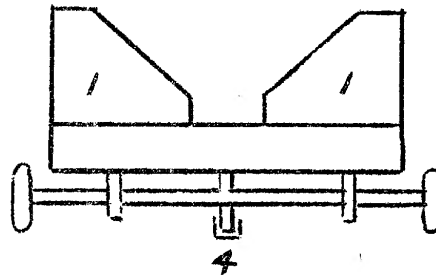
Side view

Plan view

Front view

Legend

- 1 - Main prop
- 2 - Prop
- 3 - Base frame
- 4 - Guide rail



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Annex 3

COMPRESSED AIR CYLINDER AS USED FOR THE CATAPULT DEVICE MANUFACTURED
AT NOGAISK, ZAPOROZHE OBLAST, UKRAINIAN SSR

